Claims

What is claimed is:

1. A compound having the general structural formula of propofal (I)

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wherein said compound is a derivative of propofal (I) and has greater aqueous solubility than propofal (I), further wherein said compound is an anesthetic agent.

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2. A compound of claim 1 having a general structure selected from the group consisting of structures II, III, IV, and V, or derivatives thereof:

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HO NH₂

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 R_1 CX_3 CX_3

IV

and

V

- 3. A compound of claim 2, wherein R_1 and R_2 are independently selected from the group consisting of isopropyl, C_1 - C_4 alkyl, hydroxy, alkoxy and -O(CH₂)_nPO₄, n is an integer ranging from 1-4, and X is halo.
- 4. A compound of claim 2, wherein R_1 is independently selected from the group consisting of C_1 - C_4 alkyl, X is halo, and R_2 is independently selected from the group consisting of hydroxy, alkoxy and -O(CH_2)_nPO₄, and n is an integer ranging from 1-4.

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5. A compound of claim 2, wherein R_1 and R_2 are independently selected from the group consisting of C_1 - C_4 alkyl and X is halo.

- 6. A compound of claim 5, wherein X is F.
- 7. A compound of claim 2, wherein R_1 and R_2 are each isopropyl and X is halo.
- 8. A compound of claim 7, wherein X is F.
- 9. A compound of claim 2, wherein R_1 is isopropyl, X is halo, and R_2 is hydroxy or $O(CH_2)_nPO_4$, and n is an integer ranging from 1-4.
 - 10. A compound of claim 9, wherein X is F and R₂ is hydroxy.
- 15 11. A compound of claim 9, wherein X is Cl or F.
 - 12. A compound of claim 1 having the general structure

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- 13. A compound according to claims 1, 2, 3, 4, 5, or 12 wherein said compound is crystalline in form.
- 14. A pharmaceutical composition comprising at least one compound of claims 1, 2,
- 25 3, 4, 5, or 12 and a pharmaceutically acceptable carrier.

15. A method of inducing anesthesia in a subject in need thereof, said method comprising administering to said subject an effective amount of a composition comprising at least one compound according to claims 1, 2, 3, 4, 5, or 12, or pharmaceutically acceptable salts thereof.

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- 16. The method of claim 15, wherein said composition is administered intravenously.
- 17. The method of claim 15, wherein said subject is a human.
- 18. A kit for inducing anesthesia in a subject in need of anesthesia, said kit comprising a pharmaceutical composition of claim 14, an applicator, and an instructional material for the use thereof.
 - 19. A method of preparing an anesthetic compound derived from propofal (I), said method comprising preparing said compound derived from propofal according to scheme I: